

FEI | Faith Engineering, Inc.

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July 6, 2001

Mr. Nolan Bennett
Environmental Health Scientist
Bernalillo County Environmental Health Department
600 Second St. NW, Suite 500
Albuquerque, NM 87102

Sent via E-Mail: nbennett@bernco.gov and US Mail

RE: Transmittal of 2nd Quarterly Ground Water Sampling Results
701 Isleta SW, The Phil's Auto Site; NMED/USTB Facility ID No. 5517001 / 1537
Contract Control No. 980473

Dear Nolan:

Please find included herewith the report for the second quarter of ground water sampling and analysis for the subject site. Ground water sampling was conducted on May 25, 2001.

This sampling event provides the ground water sampling results with field testing for all 13 ground water monitoring wells on site. During this quarter's sampling event, total Naphthalene concentrations above the NMWQCC standard of 30 µg/l were found in three monitoring wells; MW-A, MW-1 and MW-10. Benzene concentrations have been non-detectable in all of the sites monitoring well's since sampling was conducted for the initial site investigation in September 2000. Please refer to the Hydrogeologic Investigation Report dated May 15, 2001 for the extent of soil contamination.

FEI recommends preparing a work plan for a Tier 2 evaluation to address the need for further remedial action at the site. Please do not hesitate to contact the undersigned if you have any questions or comments regarding this Sampling Report.

Respectfully submitted,

FAITH ENGINEERING, INC.

Stuart E. Faith – President

cc. w/ encls. Mr. Tom Leck – NMED/USTB
Mr. Bill Brown - TPA

FEI FILE NUMBER 00-01-1183-05

SECOND QUARTERLY SAMPLING REPORT
PHIL'S AUTO SITE
701 ISLETA BLVD. SW
ALBUQUERQUE, NEW MEXICO
FACILITY #5517001/1537

PREPARED BY:

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RIO RANCHO, NEW MEXICO 87124
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JULY 06, 2001

PREPARED FOR:

THE BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
AND
THE NEW MEXICO ENVIRONMENT DEPARTMENT
UNDERGROUND STORAGE TANK BUREAU

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**COVER PAGE
FORM 1216
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site name: Phil's Auto
2. Responsible party: Mr. Nolan Bennett
3. Responsible party mailing address (list contact person if different):
Bernalillo County Environmental Health Dept.
600 2nd Street NW, Suite 500
Albuquerque, NM 87102
4. Facility number: 5517001/1537
5. Address/legal description: 701 Isleta Blvd. SW
Albuquerque, NM
6. Author/consulting company: Faith Engineering, Inc.
7. Date of report: 07/06/2001
8. Date of confirmation of release or date USTB was notified of the release:
July 1987

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:_____

Name:_____ **Stuart Faith**

Affiliation:_____ **Faith Engineering, Inc.**

Title:_____ **President**

Certified Scientist #:_____ **080**

Date:_____

I. INTRODUCTION:

I. A. Scope of Work

Faith Engineering, Inc. (FEI), in collaboration with Tecumseh Professional Associates, Inc. (TPA), has been retained by the Bernalillo County Environmental Health Department to provide professional environmental services at the Phil's Auto site, 701 Isleta SW, Albuquerque, New Mexico (the Site). The location of the Site is shown on Figure 1. This report documents the second quarter of ground water sampling conducted at the site on May 25, 2001. The period covered in this report is from December 2000 to May 2001.

I. B. This quarter's highlights

This sampling event represents the second quarter of ground water quality re-examination as outlined in the work plan approval letter dated December 8, 1999, as amended on March 17, 2000 and again on November 17, 2000. The sampling event provides the sample results with field testing for all 13 ground water monitoring wells on site. A Hydrogeologic Investigation (See "Phil's Auto Site Hydrogeologic Investigation" dated May 15, 2001) was also performed and reported during this quarter to better characterize the current subsurface hydrogeologic regime and the vertical and horizontal extent of soil and groundwater impacts at the Site following remedial efforts.

II. ACTIVITIES PERFORMED DURING THIS QUARTER:

II. A. Brief description of the remediation system and date installed

In 1994, Intera was retained by NMED/USTB to design and install a remediation system. Intera submitted a reclamation proposal to NMED/USTB in April of 1994 for the installation of a SVVS™ in-situ reclamation system. Intera conducted a short-term pilot test on a combination sparge/vent well cluster located in the northern portion of the Site. An in-situ SVVS™ remediation system was installed at the Site in 1995 and began operation in September of 1995. The reclamation system consisted of 33 sparge and vent well nests manifolded with underground PVC piping to an above ground treatment unit. Wells were constructed with 2" diameter, schedule 40 PVC with crushed stone surrounding the vent wells and 10/20 silica sand surrounding the sparge wells. Bentonite seals were emplaced to separate screened intervals and the land surface. The treatment unit consists of a 300 scfm catalytic oxidizer and vent and sparge blowers. The system operated between September 1995 and early 1996, when it was shut down.

II. B. Description of activities performed to keep system operating properly

None. System shut down in 1996.

II. C. Monitoring activities performed

Ground water monitoring and sampling at the Site during this quarter took place on May 25, 2001. This quarter's sampling included the following:

- ground water elevation measurements in all wells.
- quarterly event ground water sampling of monitor wells MW-A, MW-1, MW-2, MW-3, MW-4, MW-5, MW-9, MW-10, FTW-1, FTW-2, FTW-4, FTW-5 and FTW-6.
- laboratory analysis of ground water samples for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), Naphthalene, 1-Methynaphthalene and 2-Methylnaphthalene by EPA Method 8260 (expanded naphthalenes).
- field testing for natural attenuation indicators of ground water samples, including iron, phosphate, sulfide, nitrate, alkalinity, pH, dissolved oxygen, conductivity, and temperature.

The locations of all monitor wells are shown on Figure 1. Monitoring and sampling procedures are described in Appendix 1. Table 5 provides a historical summary of field activities at the site and Appendix 2 contains this quarter's original Field Activity Logs. The laboratory results of the ground water analyses for the current monitoring period are shown on Table 1. Historic sampling results for both Organic and Inorganic compounds are shown on Table 2 and 3. Laboratory reports and the Chain of Custody Form are provided in Appendix 3.

During this quarter's sampling event, total naphthalene concentrations (including Naphthalene, 1-Methynaphthalene and 2-Methylnaphthalene) above the NMWQCC standard of 30 µg/l were found in three monitoring wells; MW-A (48.2 µg/l), MW-1 (36 µg/l) and MW-10 (81 µg/l). Benzene concentrations have been non-detectable in all of the sites monitoring well's since sampling was conducted for the initial site investigation in September 2000. A total BTEX summary and contour map for the second quarter ground water analysis are shown on Figure 1. In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total Xylenes (see Appendix 1).

Depth to ground water during this quarter's sampling event varied from 10.43 feet below ground surface (bgs) in MW-9 to 12.20 feet bgs in MW-3. All ground water elevation data including the historical data is summarized in Table 4. This quarter's measurements of on-site ground water elevations indicate a defined directional flow in a southern orientation. A water elevation summary and directional flow map for the second quarter ground water measurements are shown on Figure 2.

II. D. System performance and effectiveness

Not Applicable, See II. A. and B.

II. E. Statement verifying containment of release

Based on ground water sample results from site perimeter monitor wells and the recently completed Hydrogeologic Investigation, containment of off-site ground water contaminants cannot be assured at the Phil's Auto Site under present conditions. Dissolved phase hydrocarbons in the ground water are within the highway easement to the east of the site. Please refer to Figure 1. There is no evidence to suggest other off-site, up-gradient sources of contaminant for the BTEX concentration levels in MW-1.

III. SUMMARY AND CONCLUSIONS:

III. A. Discussion of trends or changes noted in analytical results or site conditions

Laboratory results obtained during this second quarter sampling event and the Hydrogeologic Investigation indicate that BTEX concentrations in the ground water are within the highway easement to the east but are below the NMWQCC standards for these compounds. However, Naphthalene concentrations are above the NMWQCC standard of 30 µg/l in monitoring wells MW-A and MW-1 adjacent to the highway easement.

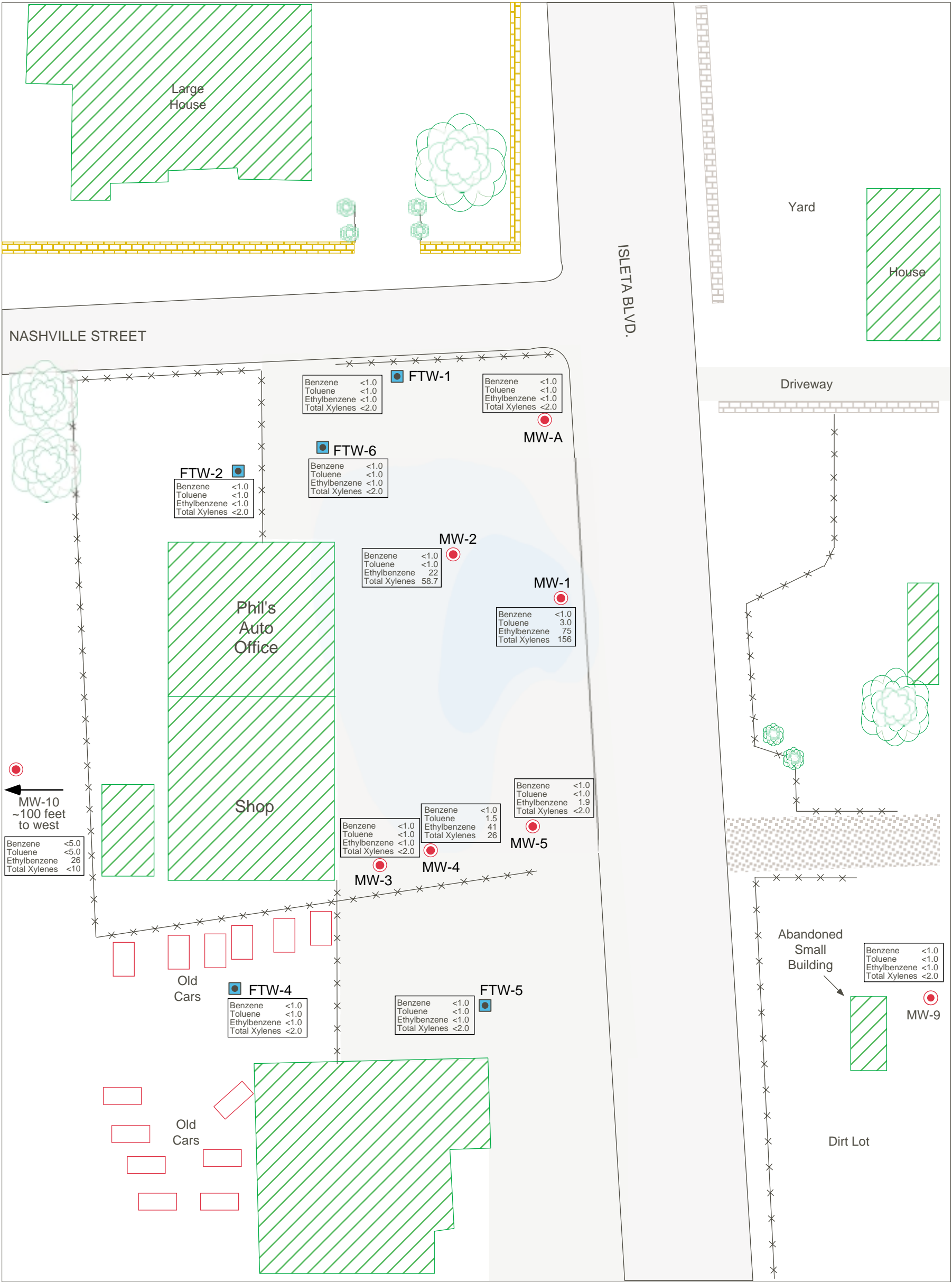
These results also indicate that the contaminant plume may be characterized as an older and weathered petroleum release.

III. B. Ongoing assessment of the remediation system

Not Applicable, See II. A. and B.

III. C. Recommendations

FEI recommends continuing site monitoring and sampling pursuant to the work plan approval letter dated December 8, 1999, as amended to change the report submission dates. A new work plan will be submitted shortly for a Tier 2 evaluation to address the need for further remedial action at the site. The next quarterly sampling report will be submitted on or about July 15, 2001.



LEGEND

Building

Concrete

Asphalt

Fence Line

Vegetation

Adobe or Brick Wall

New 2" Diameter Monitor Well

Existing Monitor Well Location

BTEX Concentration Levels and Plume

Benzene <1.0

Toluene <1.0

Ethylbenzene <1.0

Total Xylenes <2.0

10-100 ppm

100-1000 ppm

>1000 ppm

0

15

30ft

Scale

Phil's Auto Site

701 Isleta Blvd. SW
Albuquerque, New Mexico

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Subject: Site Map and BTEX Concentration Levels

Drawn by: KGF/WJB

Date : June 2001

Client: BCEHD

Figure: 1

Project: 99-01-1187

TABLE 1
Phil's Auto 701 Isleta
00-01-1183-05 • NMED FACILITY #1537
 Current Ground Water Analysis Results

LOCATION	DATE SAMPLED	ORGANICS											INORGANICS						INDICATORS		
		BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON	PHOSPHATE	SULFIDE	ALKALINITY as CaCO ₃	DISS O ₂	NITRATE	pH	CONDUCTIVITY	TEMP
		µg/l 10	µg/l 750	µg/l 750	µg/l 620	µg/l 100	µg/l 0.1	ug/l 10	µg/l	µg/l 30	µg/l	µg/l	µg/l TOTAL	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	°C
MW-A	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	1.8	9.2	16	23	0.8	2.0	0.0	195	1.0	1.5	6.68	886	21.5
MW-1	05/25/01	< 1.0	3.0	75	156	< 1.0	< 1.0	< 1.0	66	18	9.5	8.5	0.4	2.0	0.2	250	1.0	1.5	6.75	813	21.2
MW-2	05/25/01	< 1.0	< 1.0	22	58.7	< 1.0	< 1.0	< 1.0	61	15	< 5.0	< 5.0	0.4	3.0	0.0	300	2.0	1.0	6.80	967	20.2
MW-3	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	1.8	< 5.0	< 5.0	3.0	3.0	0.0	225	2.0	1.0	6.83	771	21.2
MW-4	05/25/01	< 1.0	1.5	41	26	< 1.0	< 1.0	< 1.0	37.7	15	< 5.0	< 5.0	4.0	3.0	0.0	250	2.0	0.4	6.73	977	22.2
MW-5	05/25/01	< 1.0	< 1.0	1.9	< 2.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	< 5.0	< 5.0	3.0	2.0	0.0	250	2.0	0.6	6.77	836	21.3
MW-9	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.1	5.0	0.0	295	2.0	1.5	6.80	994	21.3
MW-10	05/25/01	< 5.0	< 5.0	26	< 10.0	< 5.0	< 5.0	< 5.0	529	11	45	< 25	0.8	5.0	0.0	350	1.0	0.8	6.74	1035	19.7
FTW-1	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 5.0	< 5.0	4.0	2.0	0.0	250	1.0	1.0	6.62	979	20.8
FTW-2	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 5.0	< 5.0	0.0	3.0	0.0	250	0.5	2.0	6.74	812	20.3
FTW-4	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	2.0	3.0	0.0	250	0.0	0.5	6.75	825	20.4
FTW-5	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	1.1	1.4	< 5.0	< 5.0	3.0	1.5	0.0	350	1.0	1.0	6.74	871	21.7
FTW-6	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.3	2.0	0.0	295	0.5	1.5	6.79	898	19.5
TRIP BLANK	05/24/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0									

Data checked _____ / _____

TABLE 2
Phil's Auto 701 Isleta
00-01-1183-05 • NMED FACILITY #1537
History of Ground Water Analysis - Organics

		ORGANICS										
LOCATION	DATE SAMPLED	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE
UNITS STANDARDS		µg/l 10	µg/l 750	µg/l 750	µg/l 620	µg/l 100	µg/l 0.1	ug/l 10	µg/l	µg/l	µg/l 30	µg/l
MW - A	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	2.8^	9.2	16	23
MW - 1	9/18/00	< 5.0	7.2	120	248	< 5.0	< 5.0	< 5.0	134	35	*	*
	05/25/01	< 1.0	3.0	75	156	< 1.0	< 1.0	< 1.0	66	18	9.5	8.5
MW - 2	9/18/00	< 1.0	< 1.0	42	74	< 1.0	< 1.0	< 1.0	84	25	*	*
	05/25/01	< 1.0	< 1.0	22	58.7	< 1.0	< 1.0	< 1.0	61	15	< 5.0	< 5.0
MW - 3	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*
	05/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	1.8	< 5.0	< 5.0
MW - 4	9/18/00	< 1.0	< 1.0	11	< 8.0	< 1.0	< 1.0	< 1.0	15.5	3.6	*	*
	5/25/01	< 1.0	1.5	41	26	< 1.0	< 1.0	< 1.0	37.7	15	< 5.0	< 5.0
MW - 5	9/18/00	< 1.0	< 1.0	3.2	< 2.0	< 1.0	< 1.0	< 1.0	< 2.7	2.8	*	*
	5/25/01	< 1.0	< 1.0	1.9	< 2.0	< 1.0	< 1.0	< 1.0	2.4^	< 1.0	< 5.0	< 5.0
MW - 9	9/18/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0
MW - 10	9/18/00	< 5.0	< 5.0	18	< 10	< 5.0	< 5.0	< 5.0	318	12	*	*
	5/25/01	< 5.0	< 5.0	26	< 10.0	< 5.0	< 5.0	< 5.0	529	11	45	< 25
FTW-1	1/30/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.01	< 1.0	< 2.0	< 1.0	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	2.2^	< 1.0	< 5.0	< 5.0
FTW-2	1/30/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.01	< 1.0	< 2.0	< 1.0	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0
FTW-4	2/16/01	1.1	< 1.0	9.3	3.5	< 1.0	< 1.0	< 1.0	< 2.9	1.6	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0
FTW-5	1/30/01	< 1.0	< 1.0	4.8	< 2.5	< 1.0	< 0.01	< 1.0	32.5	6.5	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	2.1^	1.4	< 5.0	< 5.0
FTW-6	1/30/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.01	< 1.0	< 2.0	< 1.0	*	*
	5/25/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0

* - Not Sampled

^ - Refer to Appendix 1

Data checked _____ / _____

TABLE 3
Phil's Auto 701 Isleta
00-01-1183-05 • NMED FACILITY #1537
History of Ground Water Field Testing - Inorganics

		INORGANICS									INDICATORS		
LOCATION	DATE SAMPLED	IRON		PHOSPHATE	SULFIDE	SULFATE (Lab)	ALKALINITY as CaCO.	DISS O2		NITRATE	pH	CONDUCTIVITY	TEMP
UNITS STANDARDS		mg/l		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	µmhos/cm		°C
		SOLUBLE	TOTAL										
MW - A	9/18/00	0.4	0.4	1.0	0.0	*	250	*	0.5	0.8	6.63	936	26.3
	5/25/01	*	0.8	2.0	0.0	*	195	*	1.0	1.5	6.68	886	21.5
MW - 1	9/18/00	0.6	0.8	1.0	1.0	*	325	*	0.5	0.2	6.94	943	23.4
	05/25/01	*	0.4	2.0	0.2	*	250	*	1.0	1.5	6.75	813	21.2
MW - 2	9/18/00	0.3	0.4	0.8	1.0	*	250	*	1.0	0.6	6.99	1002	23.2
	05/25/01	*	0.4	3.0	0.0	*	300	*	2.0	1.0	6.80	967	20.2
MW - 3	9/18/00	0.1	0.6	0.4	0.0	*	225	*	2.0	0.2	6.87	841	21.6
	05/25/01	*	3.0	3.0	0.0	*	225	*	2.0	1.0	6.83	771	21.2
MW - 4	9/18/00	2.0	2.0	1.0	0.1	*	250	*	1.0	0.2	6.88	961	24.6
	5/25/01	*	4.0	3.0	0.0	*	250	*	2.0	0.4	6.73	977	22.2
MW - 5	9/18/00	1.0	1.5	1.5	0.0	*	250	*	0.5	0.4	6.88	958	24.3
	5/25/01	*	3.0	2.0	0.0	*	250	*	2.0	0.6	6.77	836	21.3
MW - 9	9/18/00	0.0	0.1	5.0	0.0	*	250	*	2.0	1.5	6.67	1160	20.8
	5/25/01	*	0.1	5.0	0.0	*	295	*	2.0	1.5	6.80	994	21.3
MW - 10	9/18/00	0.8	1.0	2.0	0.2	*	350	*	1.0	0.4	7.10	1375	22.0
	5/25/01	*	0.8	5.0	0.0	*	350	*	1.0	0.8	6.74	1035	19.7
FTW-1	1/30/01	1.0	2.0	0.2	0.1	*	300	0.54	2.0	0.6	7.32	1047	16.2
	5/25/01	*	4.0	2.0	0.0	*	250	*	1.0	1.0	6.62	979	20.8
FTW-2	1/30/01	1.0	5.0	1.5	0.8	*	300	1.59	2.0	1.5	7.44	857	15.1
	5/25/01	*	0.0	3.0	0.0	*	250	*	0.5	2.0	6.74	812	20.3
FTW-4	2/16/01	1.6	*	< 0.05	*	88.0	390	0.49	*	< 0.10	7.47	794	16.5
	5/25/01	*	2.0	3.0	0.0	*	250	*	0.0	0.5	6.75	825	20.4
FTW-5	1/30/01	3.0	4.0	0.2	5.0	*	350	0.82	0.5	0.6	7.33	899	17.4
	5/25/01	*	3.0	1.5	0.0	*	350	*	1.0	1.0	6.74	871	21.7
FTW-6	1/30/01	0.2	0.6	1.0	0.2	*	175	1.26	1.0	1.5	7.31	91.6	14.8
	5/25/01	*	0.3	2.0	0.0	*	295	*	0.5	1.5	6.79	898	19.5

* - Not Sampled

Data checked _____ / _____

Table 5
Phil's Auto 701 Isleta
00-01-1183-05 • NMED Facility # 1537
 Summary of Tasks Performed in the Field

DATE	FIELD TECH.	DESCRIPTION
9/18/00	KGF, MB	Initial sampling round(1st Qtr)-all existing monitoring wells, site survey.
10/13/00	BB, TC	Drilling on site(Tecumseh)
10/16/00	BB, TC	Drilling on site(Tecumseh)
12/5/00 & 12/6/00	BB, TC	Drilling on site(Tecumseh)
1/30/01	MB, TC	Developing and sampling new wells(Faith/Tecumseh)
2/2/01	BB, TC	Drilling on site(Tecumseh)
5/25/01	MB, KL	2nd Qtrly sampling round, all 13 monitoring wells.

Data checked _____ / _____

APPENDIX 1

Sampling Protocol

Prior to any sampling, well development or purging, all monitor wells were sounded for depth to ground water. FEI used an electronic sounder with an accuracy of ± 0.01 /foot. Ground water elevations (from datum) were determined using survey data collected during the Hydrogeologic Investigation.

Prior to any sampling event, a minimum of three (3) well bore volumes were purged from each well using a Grundfos Sampling Pump. Samples were collected in HCl preserved VOAs and placed on ice in a container for delivery to Pinnacle Laboratories, in Albuquerque, New Mexico, for analyses. The ground water samples were analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), Naphthalene, 1-Methylnaphthalene and 2-Methylnaphthalene by EPA Method 8260 (expanded naphthalenes). Natural attenuation indicator parameters Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate were analyzed and measured in the field using the appropriate field test kits and equipment. All EPA-approved sampling protocols were observed and a chain of custody was maintained on all samples.

In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total xylenes. Detection limit values in a multi-component compound that are reported as below detection limits and are less than 10 percent of the lowest detectable value will not be added-in as part of the total concentration value reported. Detection limit values greater than 10 percent of the lowest detectable value will be added-in as part of the total concentration value reported. This will eliminate confusion regarding the "less-than" symbols where concentrations have been detected.

APPENDIX 2

Field Notes

APPENDIX 3

Analytical Laboratory Reports